



Human ITCH blocking peptide (CDBP1633)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ITCH/AIF4 antibody
Antigen Description	This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses. Mutations in this gene are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ITCH itchy E3 ubiquitin protein ligase [Homo sapiens]
Official Symbol	ITCH
Synonyms	ITCH; itchy E3 ubiquitin protein ligase; itchy (mouse homolog) E3 ubiquitin protein ligase , itchy

E3 ubiquitin protein ligase homolog (mouse); E3 ubiquitin-protein ligase Itchy homolog; AIP4; NFE2-associated polypeptide 1; atrophin-1 interacting protein 4; itchy E3 ubiquitin protein ligase homolog; dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4)); AIF4; NAPP1; dJ468O1.1;

Entrez Gene ID	83737
mRNA Refseq	NM_001257137
Protein Refseq	NP_001244066
UniProt ID	Q96J02
Chromosome Location	20q11.22
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Class I MHC mediated antigen processing &
Function	CXCR chemokine receptor binding; acid-amino acid ligase activity; ligase activity; protein binding; ribonucleoprotein complex binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity;